



PERMIT TO OPERATE

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for the annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner
or Operator:

AMERICAS STYRENICS LLC
305 CRENSHAW BLVD
TORRANCE, CA 90503

ID 156049

Equipment Location: 305 CRENSHAW BLVD, TORRANCE, CA 90503

Equipment Description :

POLYSTYRENE RESIN MANUFACTURING SYSTEM (TRAIN 5) CONSISTING OF:

1. TWO BELT CONVEYORS, RUBBER BALES CONVEYING.
2. ONE GRINDER, RUBBER BALES GRINDING, WITH A 60 HP MOTOR.
3. MIXING TANK, T-542, RUBBER/STYRENE SLURRY, 3'-6" DIA. X 12'-0" L., 915-GALLON CAPACITY, WITH A SUBMERGED STYRENE FILL PIPE AND FOUR AGITATORS.
4. TWO BATCH TANKS, T-540 AND T-541, RUBBER DISSOLVERS, EACH 10'-0" DIA. X 50'-0" L., EACH 30,000-GALLON CAPACITY, WITH A SUBMERGED FILL PIPE AND THREE AGITATORS.
5. FEED TANK, T-539, 10'-0" DIA. X 50'-0" L., 30,000-GALLON CAPACITY, WITH A SUBMERGED FILL PIPE.
6. VAPOR BALANCING SYSTEM, VAPOR BALANCING TANKS T-539, T-540, T-541 AND T-542.
7. FOUR FILTERS, TWO 1'-6" DIA. X 4'-0" H., ONE 2'-0" DIA. X 2'-6" H. AND ONE 1'-8" DIA. X 4'-0" H.
8. TWO HEAT EXCHANGERS, H-500 A/B, EACH 1'-6" DIA. X 20'-0" H.
9. REACTOR R-501, JACKETED TYPE, 6'-9" DIA. X 26'-0" H., WITH ONE HYDRAULICALLY DRIVEN AGITATOR, THREE HEAT TRANSFER FLUID CIRCULATING PUMPS, AND ONE POLYMER RECIRCULATION PUMP.
10. REACTOR R-502, JACKETED TYPE, 6'-9" DIA. X 26'-0" H., WITH TWO HYDRAULICALLY DRIVEN AGITATORS, AND THREE HEAT TRANSFER FLUID CIRCULATING PUMPS.
11. REACTOR R-503, JACKETED TYPE, 6'-8" DIA. X 30'-0" H., WITH ONE HYDRAULICALLY DRIVEN AGITATOR, AND THREE HEAT TRANSFER FLUID CIRCULATING PUMPS.
12. RELIEF VALVE COLLECTION TANKS, T-510, 3'-0" DIA. X 15'-0" H., AND T-522, 6'-0" DIA. X 25'-10" H.

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13. DEVOLATILIZER R-504, JACKETED TYPE, 8'-0" DIA. X 25'-0" H., WITH THREE HEAT TRANSFER FLUID CIRCULATING PUMPS, AND ONE HEAT EXCHANGER, 4'-6" DIA. X 6'-9" H.
14. PARTIAL CONDENSER H-569, 6'-0" DIA. X 27'-9" H., WITH A CONDENSATE COLLECTION TANK, T-569, HEAVY CONDENSABLE, 3'-6" DIA. X 3'-6" H.
15. FINAL CONDENSER H-570, 5'-2" DIA. X 20'-8" L., WITH A CONDENSATE COLLECTION TANK, T-515, LIGHT CONDENSABLE, PRESSURE TYPE, 11'-0" DIA. X 27'-0" L., 20,600 GALLON CAPACITY.
16. VACUUM UNIT CONSISTING OF ONE VACUUM PUMP, C-540, SEAL RING TYPE, AND ONE VACUUM SEAL FLUID TANK, T-514, 3'-0" DIA. X 6'-6" H.
17. LIQUID ADDITIVE TANK T-526, MERCAPTAN, 2'-11" DIA. X 7'-4" L., 387 GALLON CAPACITY. (COMMON TO TRAIN 4)
18. LIQUID ADDITIVE TANK T-525, MINERAL OIL, 2'-8" DIA. X 4'-6" L., 133 GALLON CAPACITY. (COMMON TO TRAIN 4)
19. MIXING TANK T-439, RECYCLES AND BLUE DYE, 4'-6" DIA. X 4'-0" H., 650-GALLON CAPACITY, WITH AGITATOR AND TRANSFER PUMPS. (COMMON TO TRAIN 4)
20. BLENDING TANK T-512C, POWDER ADDITIVES BLENDING AND MELTING, JACKETED TYPE, 2'-6" DIA. X 3'-0" H.
21. EXTRUSION UNIT "M" WITH ONE PRODUCT GEAR PUMP, STRANDING DIE X-506, 0'-2" W. X 4'-0" L. X 0'-8" H., WATER BATH, 4'-6" W. X 36'-0" L. X 1'-0" H., AND A PELLETIZER.
22. EXTRUSION UNIT "O" WITH ONE PRODUCT GEAR PUMP, STRANDING DIE X-507, 0'-2" W. X 4'-0" L. X 0'-8" H. WATER BATH, 4'-6" W. X 36'-0" L. X 1'-0" H., AND A PELLETIZER.

Conditions :

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS TANKS T-439, T-514, T-515, T-526, T-539, T-540, T-541, T-542, VACUUM DEVOLATILIZER R-504, AND THE TWO EXTRUSION UNITS ARE VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT, WHICH IS IN FULL USE, AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.
4. TWO RUBBER DISSOLVER TANKS, T-540 AND T-541, SHALL NOT BE LOADED WITH PRODUCT UNLESS DISPLACED VAPORS ARE RETURNED TO THE SLURRY TANK, T-542.

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5. THE FEED TANK, T-539 SHALL NOT BE LOADED WITH PRODUCT UNLESS DISPLACED VAPORS ARE RETURNED TO ONE OF THE TWO RUBBER DISSOLVER TANKS, T-540 AND T-541.
6. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1141.
7. THIS EQUIPMENT SHALL NOT PROCESS MORE THAN 20,000,000 POUNDS OF STYRENE IN ANY CALENDAR MONTH.
8. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE I, WITH EFFECTIVE DATE OF JUNE 5, 2009 OR EARLIER, EXCEPT FOR THE FOLLOWING COMPOUNDS SPECIFIED BELOW:

TOXIC AIR CONTAMINANT	CAS NO
STYRENE	100-42-5
ETHYLBENZENE	100-41-4
BENZENE	71-43-2
XYLENES	1330-20-7

9. MATERIAL SAFETY DATA SHEETS FOR ALL MATERIALS USED IN THIS EQUIPMENT SHALL BE KEPT CURRENT AND BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.
10. THE OPERATOR SHALL MAINTAIN ADEQUATE RECORDS TO VERIFY COMPLIANCE WITH CONDITION NO. 7 ABOVE. SUCH RECORDS SHALL BE KEPT ON THE PREMISES FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.

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NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

A handwritten signature in black ink that reads "Dorris M. Bailey".

By Dorris M. Bailey/SJ02

2/28/2014

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